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(71) Applicant (for all designated states except CA, MX, US):
Societe de Technologie Michelin [FR/FR], 23 rue Breschet, F-63000 Clermont-Ferrand (FR).

(71) Applicant (for all designated states except US): Michelin Recherche et Technique SA [CH/CH]; Route Louis Braille 10 and 12, CH-1763 Granges-Paccot (CH).

(72) Inventor; and

(75) Inventor/Applicant (for US only): Phillippe Corniot [FR/FR]; Lotissement Plein Sud, F-63530 Enval (FR).

(74) Agent: Jean-Loup Laget, Cabinet Peusset, 78 avenue Raymond Poincaré, F75116 Paris (FR).

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(54) Title: TYRE-INFLATION METHOD, AND DEVICE AND MACHINE FOR IMPLEMENTING THE METHOD

(57) Abstract: The method consists in adjusting the pressure of a tyre (5) according to a corrected set value P_{cc} calculated using formula (I), wherein P_c is a set value recommended by a car manufacturer and a tyre producer, T_p is the temperature of the tyre (5) supplied by a temperature sensor installed in the tyre, and T_{ref} is a variable reference temperature which is selected as being the lowest temperature from the instantaneous ambient temperature measured (at 37) at the site of the inflating machine (2) and a calculated mean value of the ambient temperature, the pressures P_c and P_{cc} being in absolute value and the temperatures T_p and T_{ref} being in degrees K.

36 DISPLAY
29 COMPRESSOR
19A TRANSMITTER
19B RECEIVER
37 TEMPERATURE SENSOR
18 MEMORY
30 KEYBOARD
38 ATMOSPHERIC PRESSURE SENSOR

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